

ABSTRACT

The present invention relates to a composite fabric wherein a plurality of small tows are intermittently spaced between large tows forming channels. The channels formed by spacing the between the large tows thereby forming ridges. The irregular thickness that results from the ridges provides flow channels during resin infusion of the fabric. The flow channels permit resin to flow evenly and quickly through the fabric, which results in shorter processing time and a more consistent resin distribution, decreasing the likelihood of resin starved areas within the cured laminate.